**DECLARATION - USA PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled SYSTEMS AND METHODS FOR SELECTING A MACROBLOCK MODE IN A VIDEO ENCODER; the specification of which was filed on August 14, 2003 as Application Serial No. 10/642,396;

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above;

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56;

I hereby claim the benefit under Title 35, United States Codes § 119(e) of any United States provisional applications listed below.

Application No.:

Filing Date:

60/403,851

August 14, 2002

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful, false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor: Lifeng Zhao

Inventor's signature

Date

Dec. 19, 2003

Residence: Sunnyvale, California

Citizenship: People's Republic of China

Post Office Address: 1575 Tenaka Place, L7, Sunnyvale, California 94087

Full name of second inventor: Ioannis Katsavounidis

Inventor's signature I. Katsavounidis

Date Dec. 19, 2003

Residence: Palo Alto, California

Citizenship: Greece

Post Office Address: 488 University Ave., Apt. #622, Palo Alto, California 94301

Send Correspondence To:

KNOBBE, MARTENS, OLSON & BEAR, LLP

Customer No. 20,995

MSO-4822.DOC
100703

Application No.: 10/642,396
Filing Date: August 14, 2003

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Client Code: INTV.028A
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ASSIGNMENT

WHEREAS, We, Lifeng Zhao, a citizen of the People's Republic of China, residing at 1575 Tenaka Place, L7, Sunnyvale, California 94087; and Ioannis Katsavounidis, a Greek citizen, residing at 488 University Ave., Apt. #622, Palo Alto, California 94301, have invented certain new and useful improvements in SYSTEMS AND METHODS FOR SELECTING A MACROBLOCK MODE IN A VIDEO ENCODER for which we have filed an application for Letters Patent in the United States, Application No. 10/642,396, filed on August 14, 2003;

AND WHEREAS, INTERVIDEO, INC. (hereinafter "ASSIGNEE"), a Delaware Corporation, with its principal place of business at 47350 Fremont Blvd., Fremont, California 94538, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all provisional applications relating thereto, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 19 day of December, 2003.

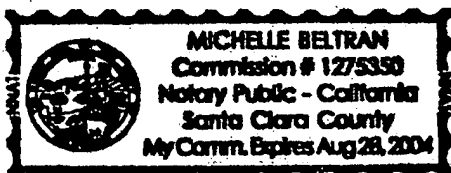
Lifeng Zhao
Lifeng Zhao

STATE OF California }
COUNTY OF Alameda } ss.

On December 19, 2003, before me, Michelle Beltran, personally appeared Lifeng Zhao personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Michelle Beltran
Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 19 day of December, 2003.

I Katsavounidis
Ioannis Katsavounidis

STATE OF California }
COUNTY OF Alameda } ss.

On December 19, 2003, before me, Michelle Beltran, personally appeared Ioannis Katsavounidis personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Michelle Beltran
Notary Signature